

SEQUENCE LISTING

<110> Danks, Mary K.
Potter, Philip M.
Houghton, Peter J.

<120> Compositions and Methods for Sensitizing and Inhibiting
Growth of Human Tumor Cells

<130> SJ-0005

<140>

<141>

<150> 60/075,298

<151> 1998-02-19

<150> PCT/US99/03171

<151> 1999-02-12

<160> 30

<170> PatentIn Ver. 2.0

<210> 1

<211> 34

<212> PRT

<213> Oryctolagus cuniculus

<220>

<221> UNSURE

<222> (7)

<220>

<221> UNSURE

<222> (33)

<220>

<221> UNSURE

<222> (22)

<400> 1

His Pro Ser Ala Pro Val Xaa Val Asp Thr Val His Gly Lys Val Leu
1 5 10 15

Gly Lys Phe Val Ser Xaa Glu Gly Phe Ala Gln Pro Val Ala Lys Phe
20 25 30

00595682.061600

Xaa Gly

<210> 2

<211> 36

<212> PRT

<213> Oryctolagus cuniculus

<400> 2

His Pro Ser Ala Pro Pro Val Val Asp Thr Val Lys Gly Lys Val Leu
1 5 10 15

Gly Lys Phe Val Ser Leu Glu Gly Phe Ala Gln Pro Val Ala Val Phe
20 25 30

Leu Gly Val Pro
35

<210> 3

<211> 54

<212> PRT

<213> Homo sapiens

<400> 3

Met Trp Leu Arg Ala Phe Ile Leu Ala Thr Leu Ser Ala Ser Ala Ala
1 5 10 15

Trp Gly His Pro Ser Ser Pro Pro Val Val Asp Thr Val His Gly Lys
20 25 30

Val Leu Gly Lys Phe Val Ser Leu Glu Gly Phe Ala Gln Pro Val Ala
35 40 45

Ile Phe Leu Gly Ile Pro
50

<210> 4

<211> 54

<212> PRT

<213> Rattus rattus

<400> 4

Met Trp Leu Cys Ala Leu Val Trp Ala Ser Leu Ala Val Cys Pro Ile
1 5 10 15

Trp Gly His Pro Ser Ser Pro Pro Val Val Asp Thr Thr Lys Gly Lys
 20 25 30

Val Leu Gly Lys Tyr Val Ser Leu Glu Gly Phe Thr Gln Pro Val Ala
 35 40 45

Val Phe Leu Gly Val Pro
 50

<210> 5
 <211> 54
 <212> PRT
 <213> Mus musculus

<400> 5
 Met Trp Leu His Ala Leu Val Trp Ala Ser Leu Ala Val Cys Pro Ile
 1 5 10 15

Leu Gly His Ser Leu Leu Pro Pro Val Val Asp Thr Thr Gln Gly Lys
 20 25 30

Val Leu Gly Lys Tyr Ile Ser Leu Glu Gly Phe Glu Gln Pro Val Ala
 35 40 45

Val Phe Leu Gly Val Pro
 50

<210> 6
 <211> 5
 <212> PRT
 <213> Oryctolagus cuniculus

<400> 6
 His Pro Ser Ala Pro
 1 5

<210> 7
 <211> 14
 <212> DNA
 <213> Oryctolagus cuniculus

<400> 7
 cacccaagcg cacc

14

<210> 8

009T90"28956560

009T90"22956560

<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Synthetic

<220>
<221> modified_base
<222> (6)
<223> i

<220>
<221> modified_base
<222> (12)
<223> i

<400> 8

<210> 9
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Synthetic

<220>
<221> modified_base
<222> (6)
<223> i

<220>
<221> modified_base
<222> (9)
<223> i

<220>
<221> modified_base
<222> (12)
<223> i

<400> 9

<210> 10
<211> 7
<212> PRT
<213> Oryctolagus cuniculus

009T90"28956560

<400> 10

<210> 11

<211> 21

<212> DNA

<213> Oryctolagus cuniculus

<400> 11

<210> 12

<211> 21

<212> DNA

<213> Oryctolagus cuniculus

<400> 12

<210> 13

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<220>

<221> modified_base

<222> (4)

<223> i

<220>

<221> modified_base

<222> (10)

<223> i

<220>

<221> modified_base

<222> (19)

<223> i

<400> 13

<210> 14

<211> 21

<212> DNA

<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Synthetic

<220>
<221> modified_base
<222> (10)
<223> i

<220>
<221> modified_base
<222> (19)
<223> i

<400> 14

<210> 15
<211> 30
<212> PRT
<213> Rattus rattus

<400> 15

<210> 16
<211> 30
<212> PRT
<213> Rattus sp.

<400> 16

<210> 17
<211> 30
<212> PRT
<213> Homo sapiens

<400> 17

<210> 18
<211> 30
<212> PRT
<213> Rattus rattus

<400> 18

<210> 19

00595632.061600

<211> 30
<212> PRT
<213> Mus musculus

<400> 19

<210> 20
<211> 1717
<212> DNA
<213> Oryctolagus cuniculus

<400> 20

<210> 21
<211> 565
<212> PRT
<213> Oryctolagus cuniculus

<400> 21

<210> 22
<211> 6
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Synthetic

<400> 22

<210> 23
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:Synthetic

<400> 23

<210> 24
<211> 27
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 24

<210> 25

<211> 6

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:Synthetic

<400> 25

<210> 26

<211> 543

<212> PRT

<213> Oryctolagus cuniculus

<400> 26

<210> 27

<211> 2191

<212> DNA

<213> Homo sapiens

<400> 27

tcgagcggcc	acccgggcag	gtctctgggt	gaatagcagc	gtgtccgccc	gcagcgaacc	60
gagaccagcg	agccgaccat	gcggctgcac	agacttcgtg	cgcggctgag	cgcgggtggc	120
tgtgggcttc	tgtctgttct	tgtccggggc	cagggccagg	actcagccag	tcccatccgg	180
accacacaca	cggggcaggt	gctggggagt	cttgtccatg	tgaagggcgc	caatgccggg	240
gtccaaacct	tcctgggaat	tccatttgcc	aagccacctc	taggtccgct	gcgatttgca	300
ccccctgagc	ccccggaatc	ttggagtggg	gtgagggatg	gaaccaccca	tccggccatg	360
tgtctacagg	acctcaccgc	agtggagtca	gagtttctta	gccagttcaa	catgaccttc	420
ccttccgact	ccatgtctga	ggactgcctg	tacctcagca	tctacacgcc	ggcccatagc	480
catgaaggct	ctaacctgcc	ggtgatgggt	tggatccacg	gtggtgcgct	tgtttttggc	540
atggcttcct	tgtatgatgg	ttccatgctg	gctgccttgg	agaacgtggg	ggtgggtcatc	600
atccagtacc	gcctgggtgt	cctgggcttc	ttcagcactg	gagacaagca	cgcaaccggc	660
aactggggct	acctggacca	agtggctgca	ctacgctggg	tccagcagaa	tatcgcccac	720
tttgagggca	accctgaccg	tgtcaccatt	tttggcgagt	ctgcgggtgg	cacgagtgtg	780
tcttcgcttg	ttgtgtcccc	catatcccaa	ggactcttcc	acggagccat	catggagagt	840
ggcgtggccc	tcctgcccgg	cctcattgcc	agctcagctg	atgtcatctc	cacgggtggg	900
gccaaacctgt	ctgcctgtga	ccaagttgac	tctgaggccc	tgggtgggctg	cctgcggggc	960
aagagtaaag	aggagattct	tgcaattaac	aagcctttca	agatgatccc	cggagtgggtg	1020
gatggggctc	tcctgcccag	gcacccccag	gagctgctgg	cctctgccga	ctttcagcct	1080
gtccctagca	ttgttggtgt	caacaacaat	gaattcggct	ggctcatccc	caaggatcatg	1140
aggatctatg	ataccagaaa	ggaaatggac	agagaggcct	cccaggctgc	tctgcagaaa	1200

00956132-061600

```

atgttaacgc tgctgatgtt gcctcctaca tttggtgacc tgctgagggg ggagtacatt 1260
ggggacaatg gggatcccca gaccctccaa gcgcagttcc aggagatgat ggccggactcc 1320
atgtttgtga tccctgcact ccaagtagca cattttcagt gttcccgggc ccctgtgtac 1380
ttctacgagt tccagcatca gcccagctgg ctcaagaaca tcaggccacc gcacatgaag 1440
gcagaccatg gtgatgagct tccttttgtt ttcagaagtt tctttggggg caactacatt 1500
aaattcactg aggaagagga gcagctaagc aggaagatga tgaagtactg ggccaacttt 1560
gcgagaaaatg ggaaccccaa tggcgagggg ctgccacact ggccgctgtt cgaccaggag 1620
gagcaatacc tgcagctgaa cctacagcct gcggtggggc gggctctgaa ggcccacagg 1680
ctccagttct ggaagaaggc gctgccccaa aagatccagg agctcgagga gcctgaagag 1740
agacacacag agctgtagct ccctgtgccg gggaggaggg ggtgggttcg ctgacaggcg 1800
agggtcagcc tgctgtgccc acacacaccc actaaggaga aagaagttga ttccttcatt 1860
cacttcgcca ttcattcata cttccgtcca gaagttgatt ctttcattca cttcgccatt 1920
cattcatact tccgtccatc cattcagaaa ccggyattta ttaagaattt actcaggcat 1980
gatggcccat acttgtaatc ccagctattg ggaaggatga gatgggagga tggcttgagg 2040
ccagagggtt gagaccgacc agccaggggc acacagttag accccttctc aaaaaaaaaa 2100
aaaaaaaaaag agagagtgtg tgattagaag ctaaatagga aagttttgag cttcaagtca 2160
gtgaggagta aaaaagattt ttaaaaagca a 2191

```

```

<210> 28
<211> 559
<212> PRT
<213> Homo sapiens

```

```

<400> 28
Met Arg Leu His Arg Leu Arg Ala Arg Leu Ser Ala Val Ala Cys Gly
  1             5             10             15

Leu Leu Leu Leu Leu Val Arg Gly Gln Gly Gln Asp Ser Ala Ser Pro
      20             25             30

Ile Arg Thr Thr His Thr Gly Gln Val Leu Gly Ser Leu Val His Val
      35             40             45

Lys Gly Ala Asn Ala Gly Val Gln Thr Phe Leu Gly Ile Pro Phe Ala
      50             55             60

Lys Pro Pro Leu Gly Pro Leu Arg Phe Ala Pro Pro Glu Pro Pro Glu
      65             70             75             80

Ser Trp Ser Gly Val Arg Asp Gly Thr Thr His Pro Ala Met Cys Leu
      85             90             95

Gln Asp Leu Thr Ala Val Glu Ser Glu Phe Leu Ser Gln Phe Asn Met
      100            105            110

Thr Phe Pro Ser Asp Ser Met Ser Glu Asp Cys Leu Tyr Leu Ser Ile
      115            120            125

```

00595662-061600

Tyr	Thr	Pro	Ala	His	Ser	His	Glu	Gly	Ser	Asn	Leu	Pro	Val	Met	Val	130	135	140	
Trp	Ile	His	Gly	Gly	Ala	Leu	Val	Phe	Gly	Met	Ala	Ser	Leu	Tyr	Asp	145	150	155	160
Gly	Ser	Met	Leu	Ala	Ala	Leu	Glu	Asn	Val	Val	Val	Val	Ile	Ile	Gln	165	170	175	
Tyr	Arg	Leu	Gly	Val	Leu	Gly	Phe	Phe	Ser	Thr	Gly	Asp	Lys	His	Ala	180	185	190	
Thr	Gly	Asn	Trp	Gly	Tyr	Leu	Asp	Gln	Val	Ala	Ala	Leu	Arg	Trp	Val	195	200	205	
Gln	Gln	Asn	Ile	Ala	His	Phe	Gly	Gly	Asn	Pro	Asp	Arg	Val	Thr	Ile	210	215	220	
Phe	Gly	Glu	Ser	Ala	Gly	Gly	Thr	Ser	Val	Ser	Ser	Leu	Val	Val	Ser	225	230	235	240
Pro	Ile	Ser	Gln	Gly	Leu	Phe	His	Gly	Ala	Ile	Met	Glu	Ser	Gly	Val	245	250	255	
Ala	Leu	Leu	Pro	Gly	Leu	Ile	Ala	Ser	Ser	Ala	Asp	Val	Ile	Ser	Thr	260	265,	270	
Val	Val	Ala	Asn	Leu	Ser	Ala	Cys	Asp	Gln	Val	Asp	Ser	Glu	Ala	Leu	275	280	285	
Val	Gly	Cys	Leu	Arg	Gly	Lys	Ser	Lys	Glu	Glu	Ile	Leu	Ala	Ile	Asn	290	295	300	
Lys	Pro	Phe	Lys	Met	Ile	Pro	Gly	Val	Val	Asp	Gly	Val	Phe	Leu	Pro	305	310	315	320
Arg	His	Pro	Gln	Glu	Leu	Leu	Ala	Ser	Ala	Asp	Phe	Gln	Pro	Val	Pro	325	330	335	
Ser	Ile	Val	Gly	Val	Asn	Asn	Asn	Glu	Phe	Gly	Trp	Leu	Ile	Pro	Lys	340	345	350	
Val	Met	Arg	Ile	Tyr	Asp	Thr	Gln	Lys	Glu	Met	Asp	Arg	Glu	Ala	Ser	355	360	365	
Gln	Ala	Ala	Leu	Gln	Lys	Met	Leu	Thr	Leu	Leu	Met	Leu	Pro	Pro	Thr	370	375	380	

00555662.061600

Phe Gly Asp Leu Leu Arg Glu Glu Tyr Ile Gly Asp Asn Gly Asp Pro			
385	390	395	400
Gln Thr Leu Gln Ala Gln Phe Gln Glu Met Met Ala Asp Ser Met Phe			
	405	410	415
Val Ile Pro Ala Leu Gln Val Ala His Phe Gln Cys Ser Arg Ala Pro			
	420	425	430
Val Tyr Phe Tyr Glu Phe Gln His Gln Pro Ser Trp Leu Lys Asn Ile			
	435	440	445
Arg Pro Pro His Met Lys Ala Asp His Gly Asp Glu Leu Pro Phe Val			
	450	455	460
Phe Arg Ser Phe Phe Gly Gly Asn Tyr Ile Lys Phe Thr Glu Glu Glu			
	465	470	475
Glu Gln Leu Ser Arg Lys Met Met Lys Tyr Trp Ala Asn Phe Ala Arg			
	485	490	495
Asn Gly Asn Pro Asn Gly Glu Gly Leu Pro His Trp Pro Leu Phe Asp			
	500	505	510
Gln Glu Glu Gln Tyr Leu Gln Leu Asn Leu Gln Pro Ala Val Gly Arg			
	515	520	525
Ala Leu Lys Ala His Arg Leu Gln Phe Trp Lys Lys Ala Leu Pro Gln			
	530	535	540
Lys Ile Gln Glu Leu Glu Glu Pro Glu Glu Arg His Thr Glu Leu			
	545	550	555

<210> 29
 <211> 31
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic

<400> 29
 cggctctagag agctacagct ctgtgtgtct g

31

<210> 30
 <211> 31
 <212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic

<400> 30

cgagtctaga gagccgacca tgcggctgca c

31

009790-22956560